AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2018/12/05 - 15:25:19

Iterations:	1 ,i.e., 0 in matsim config.

AV File   **AV_Config File**

Dispatcher:	AidoDispatcherHost
Rebalancing Period:	-00:00:01
Redispatching Period:	00:00:10

Network:	null_prepared
Virtual Nodes:	no virtual network found
Population:	500

Number of Vehicles:	20
Number of Requests	500

Aggregated Results

Distance Ratio: 46.34%

Occupancy Ratio: 17.86 %

Distances

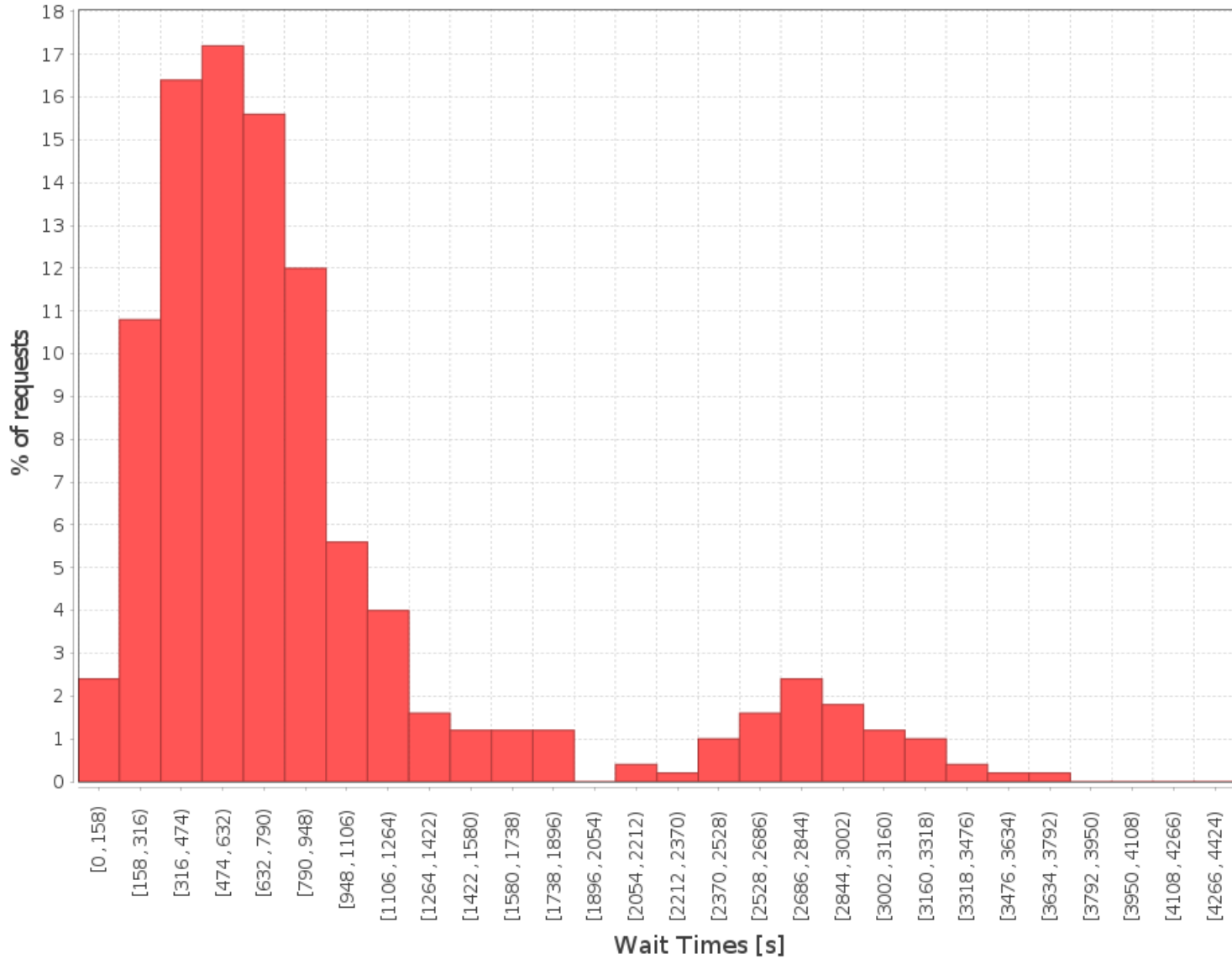|	
Total:	17693.40 km
Rebalancing:	0.00 km (0.00%)
Pickup:	9494.55 km (53.66%)
With Customer:	8198.85 km (46.34%)

Average Trip Distance: 16.40 km
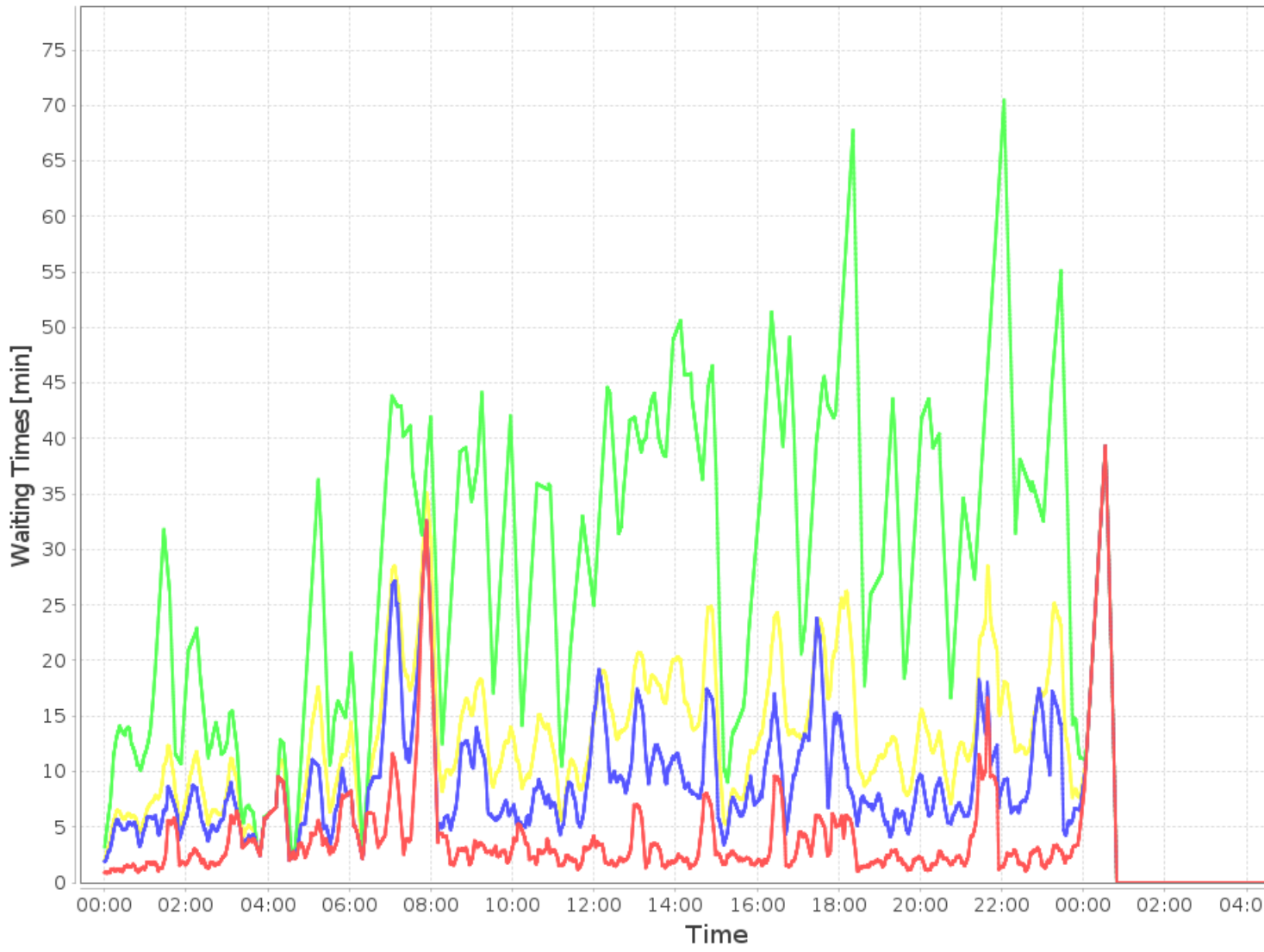
Total Distance Distribution

■ With Customer ■ Pickup ■ Rebalancing
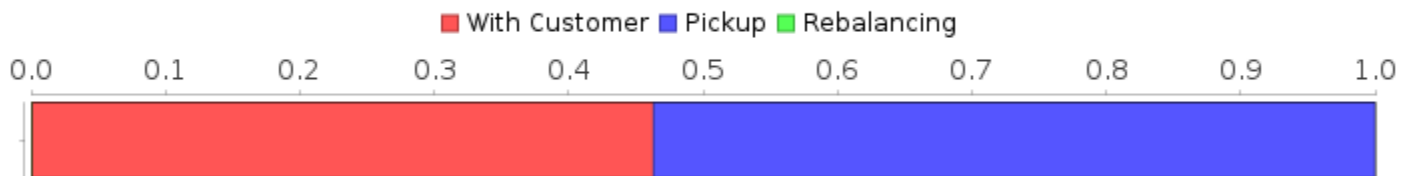
Wait Times

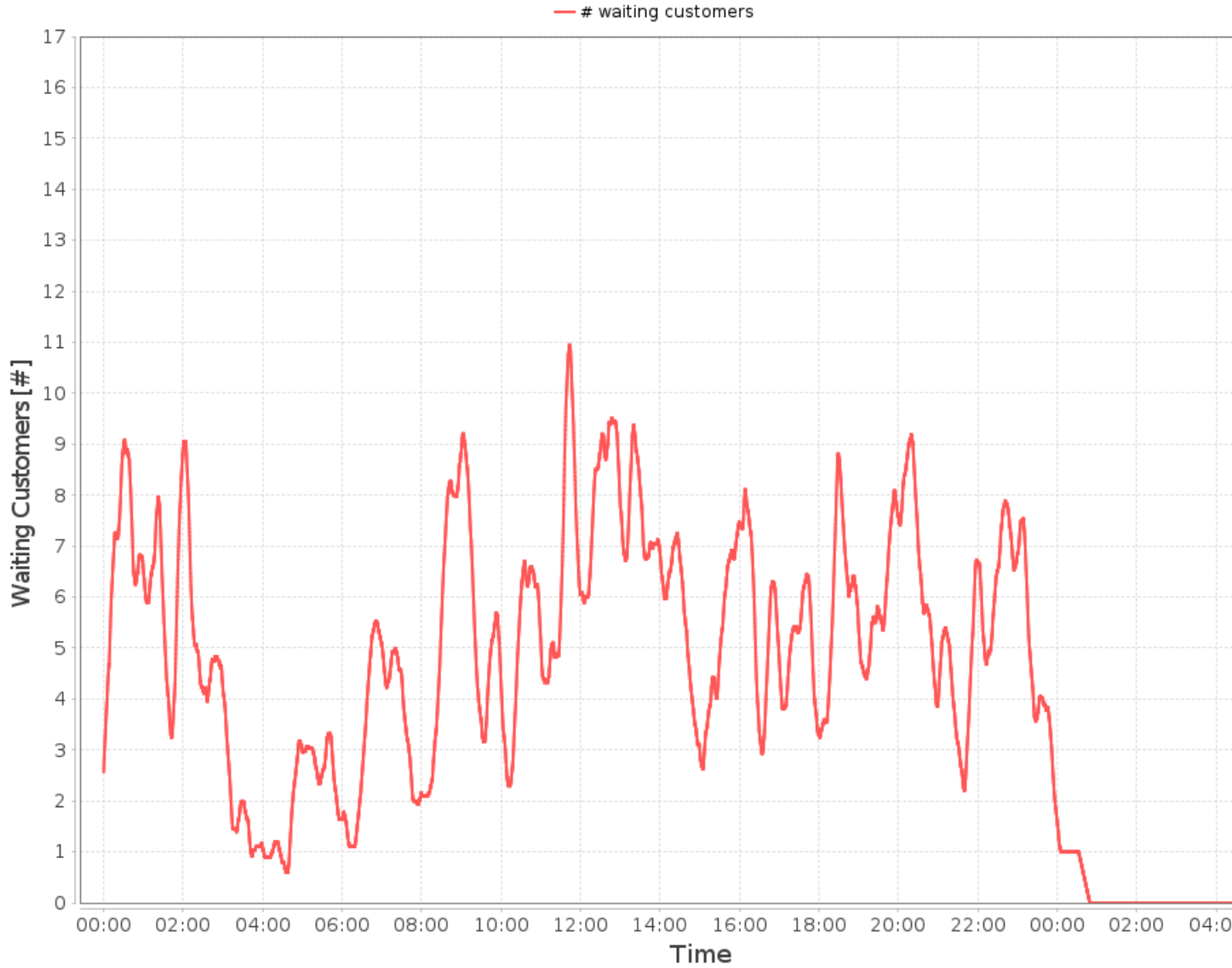|	
10.0% quantile	00:04:41
50.0% quantile	00:11:13
95.0% quantile	00:47:25
Mean	00:15:03
Maximum:	01:18:59

Number of Requests per Wait Time

Binned Waiting Times
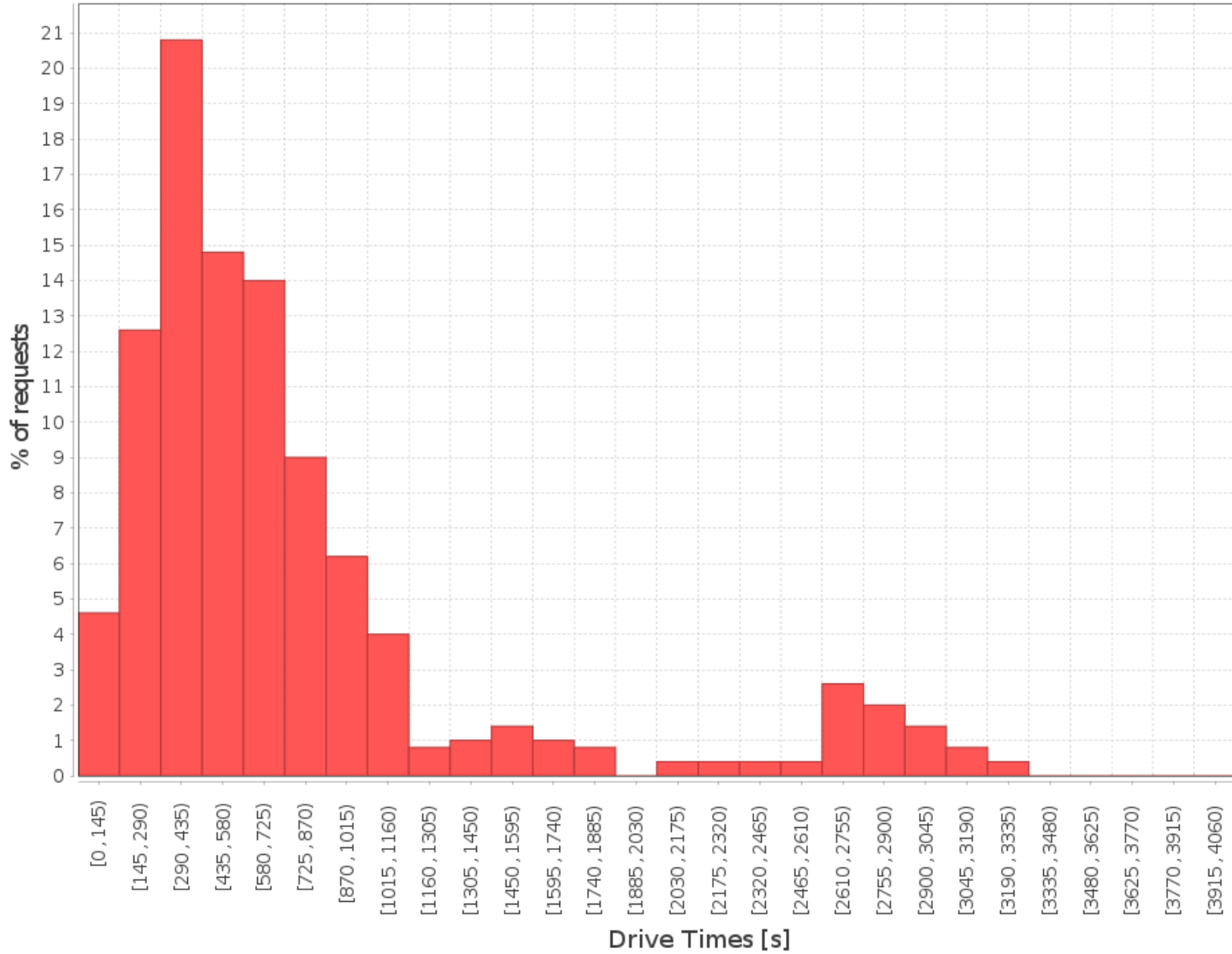
— 10.0% quantile — 50.0% quantile — 95.0% quantile — Mean

Waiting Customers per Day Time

Drive Times

10.0% quantile	00:03:30
50.0% quantile	00:09:10
95.0% quantile	00:45:30
Mean	00:12:51
Maximum:	01:12:20

Number of Requests per Drive Time

Total Journey Times

10.0% quantile	00:11:07
50.0% quantile	00:21:24
95.0% quantile	01:21:11
Mean	00:27:54
Maximum:	01:59:06

Number of Requests per Total Journey Time
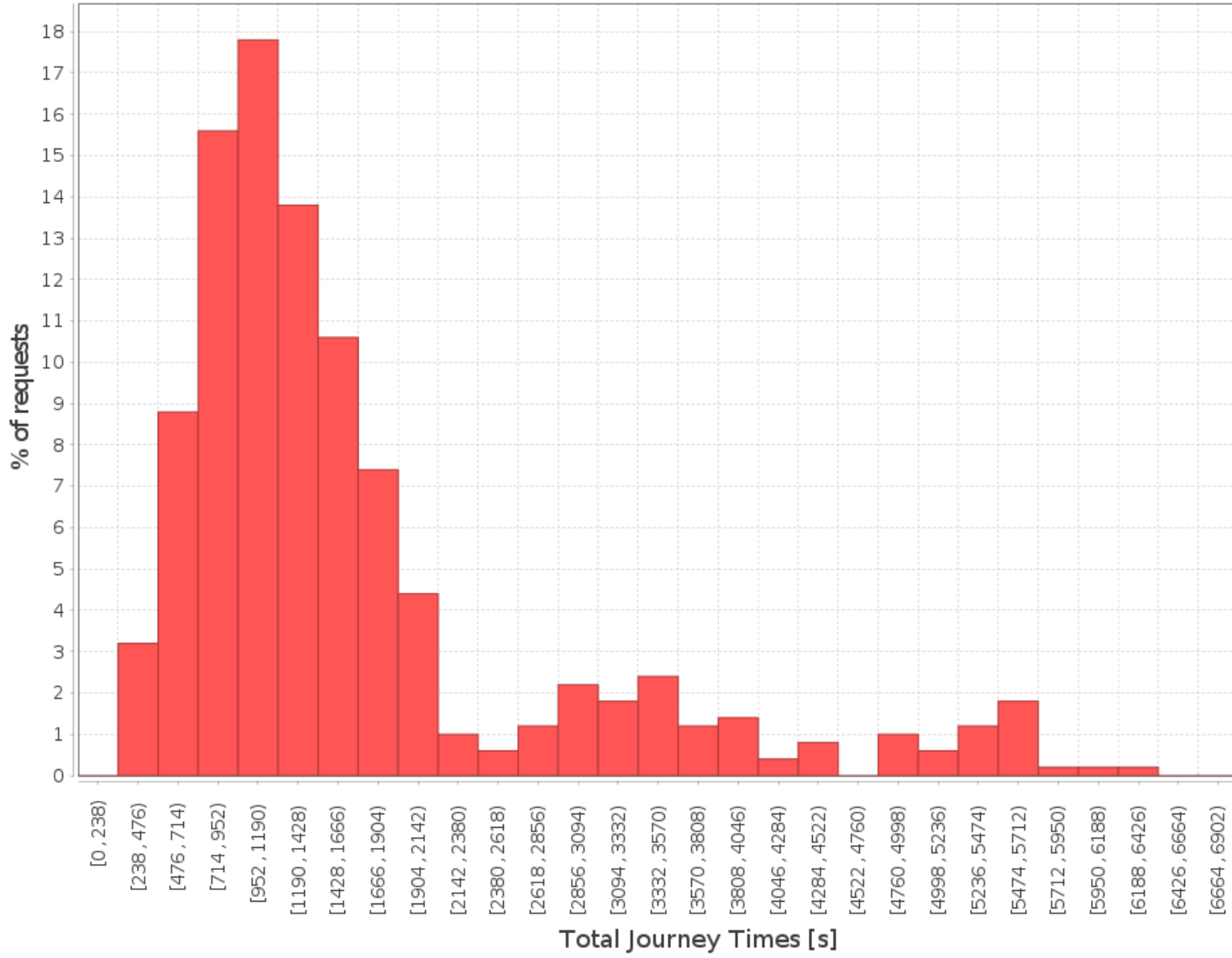
Fleet Efficiency

Distance Distribution over Day

▲ with customer ● pickup ▲ rebalance
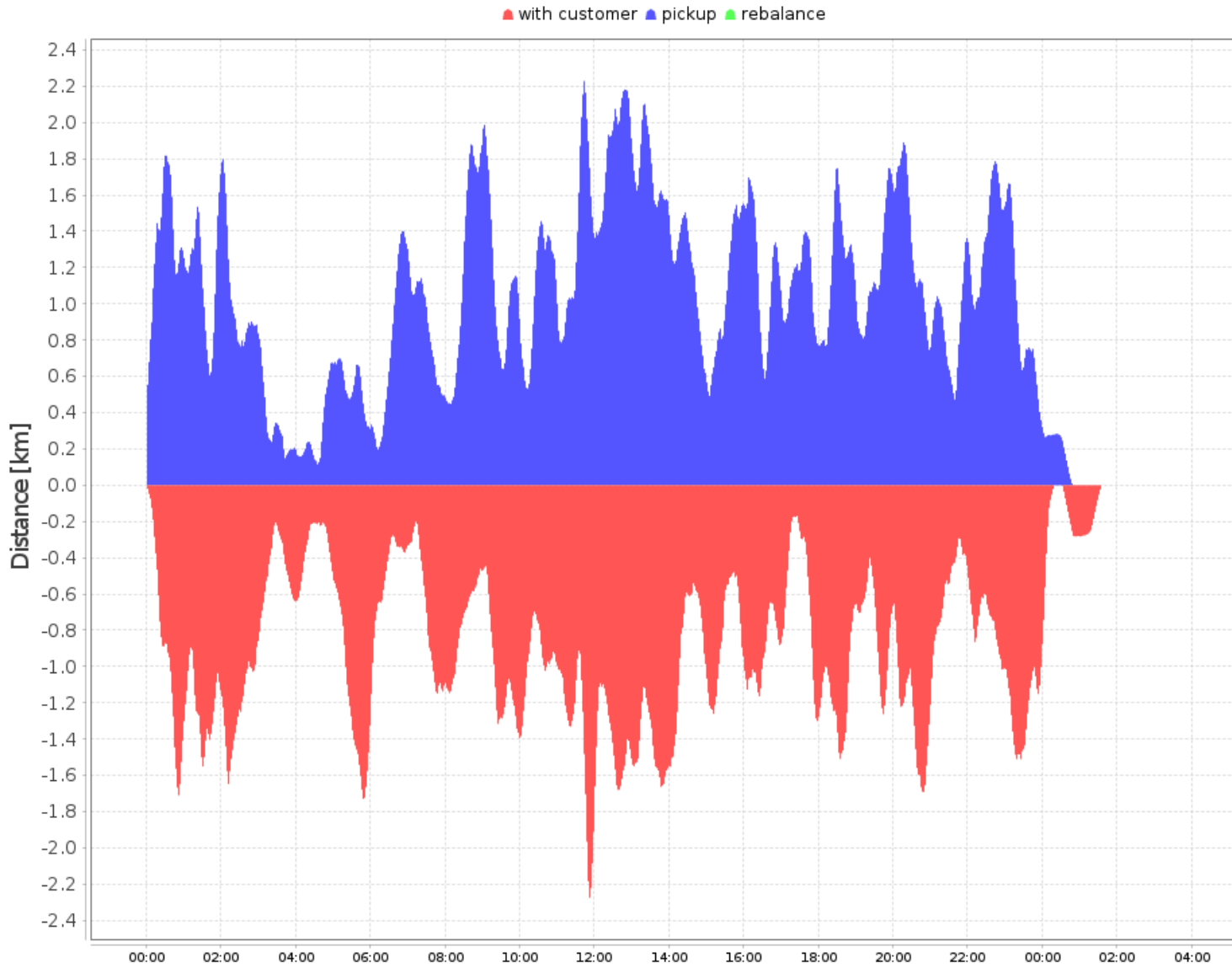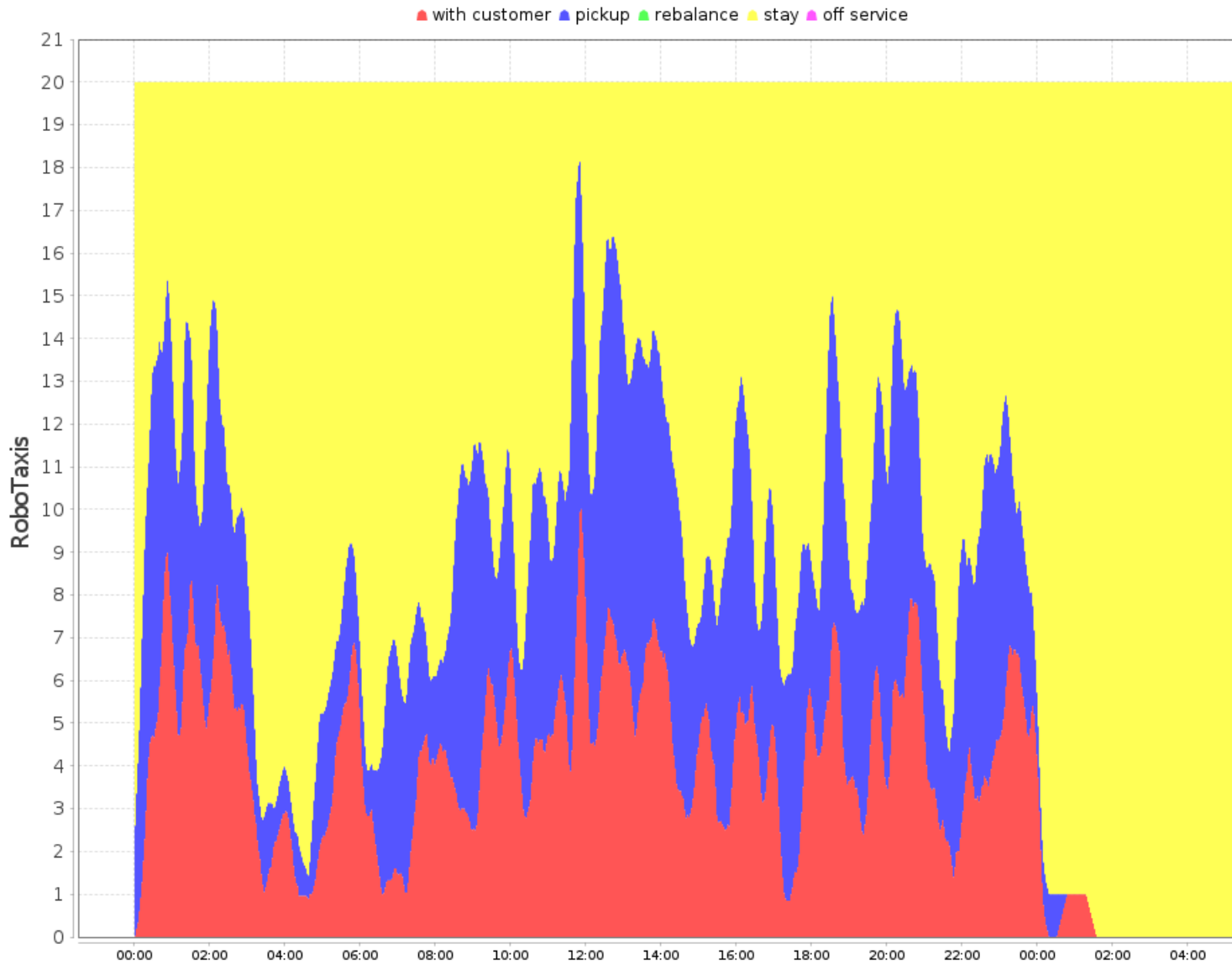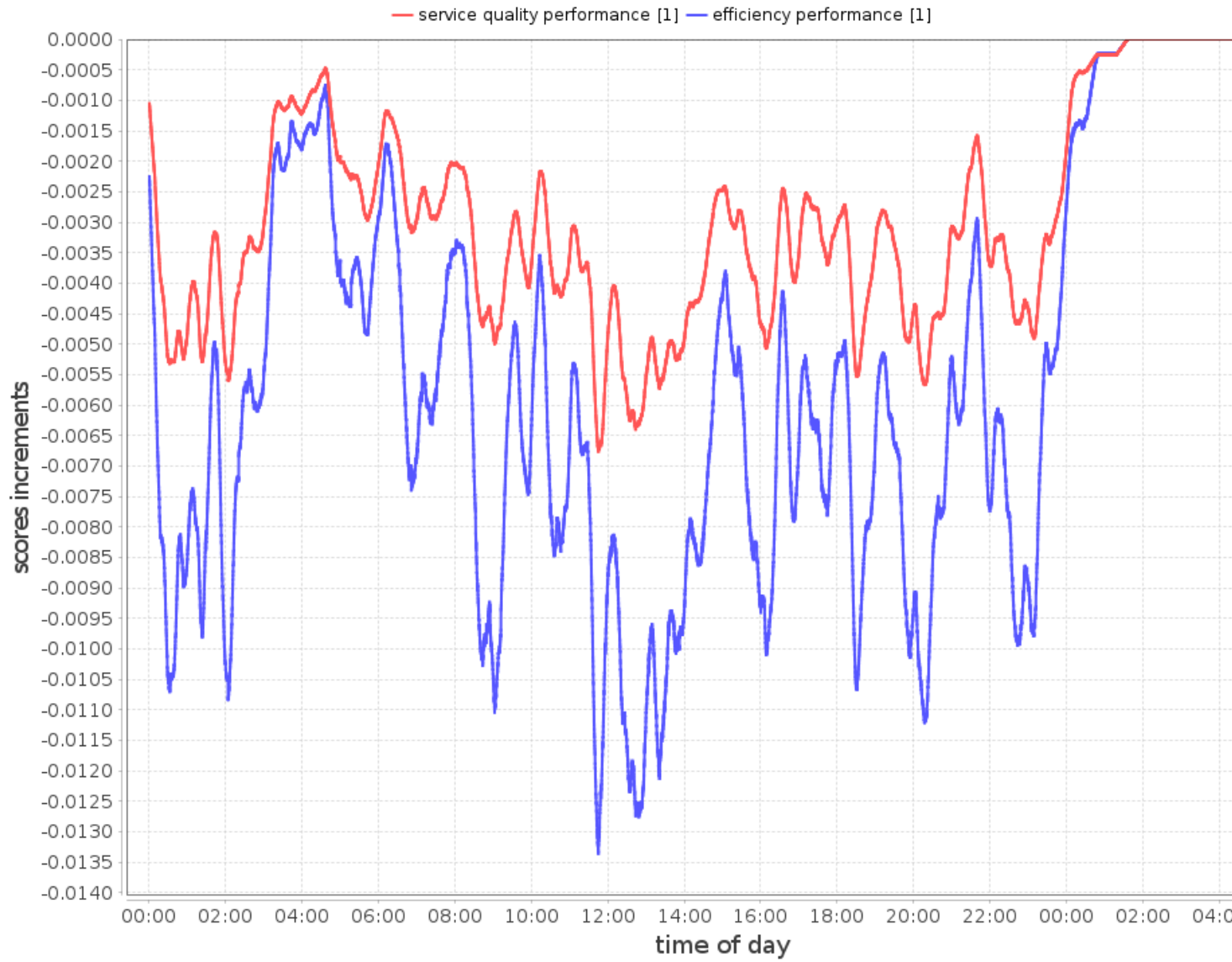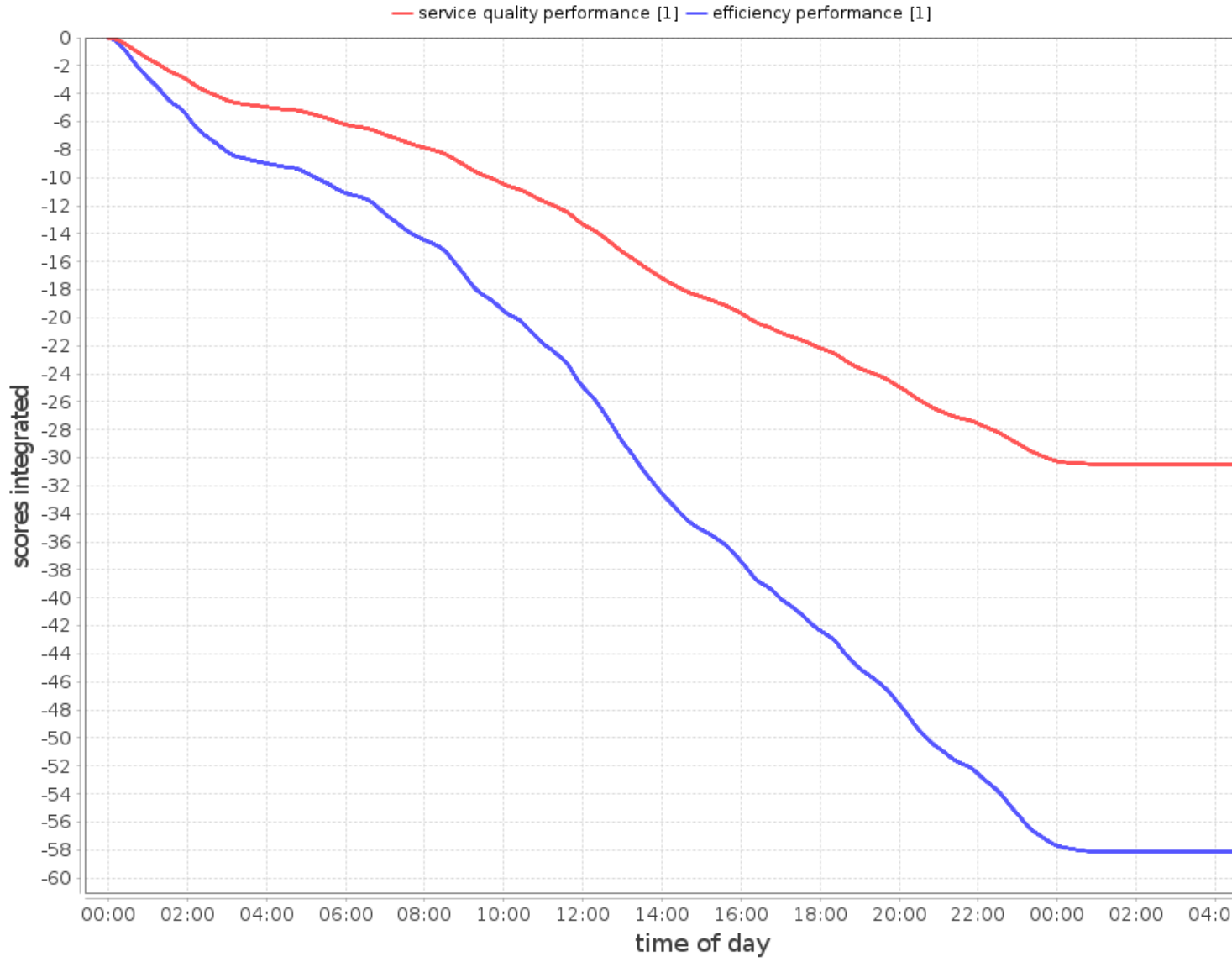
Occupancy and Distance Ratios
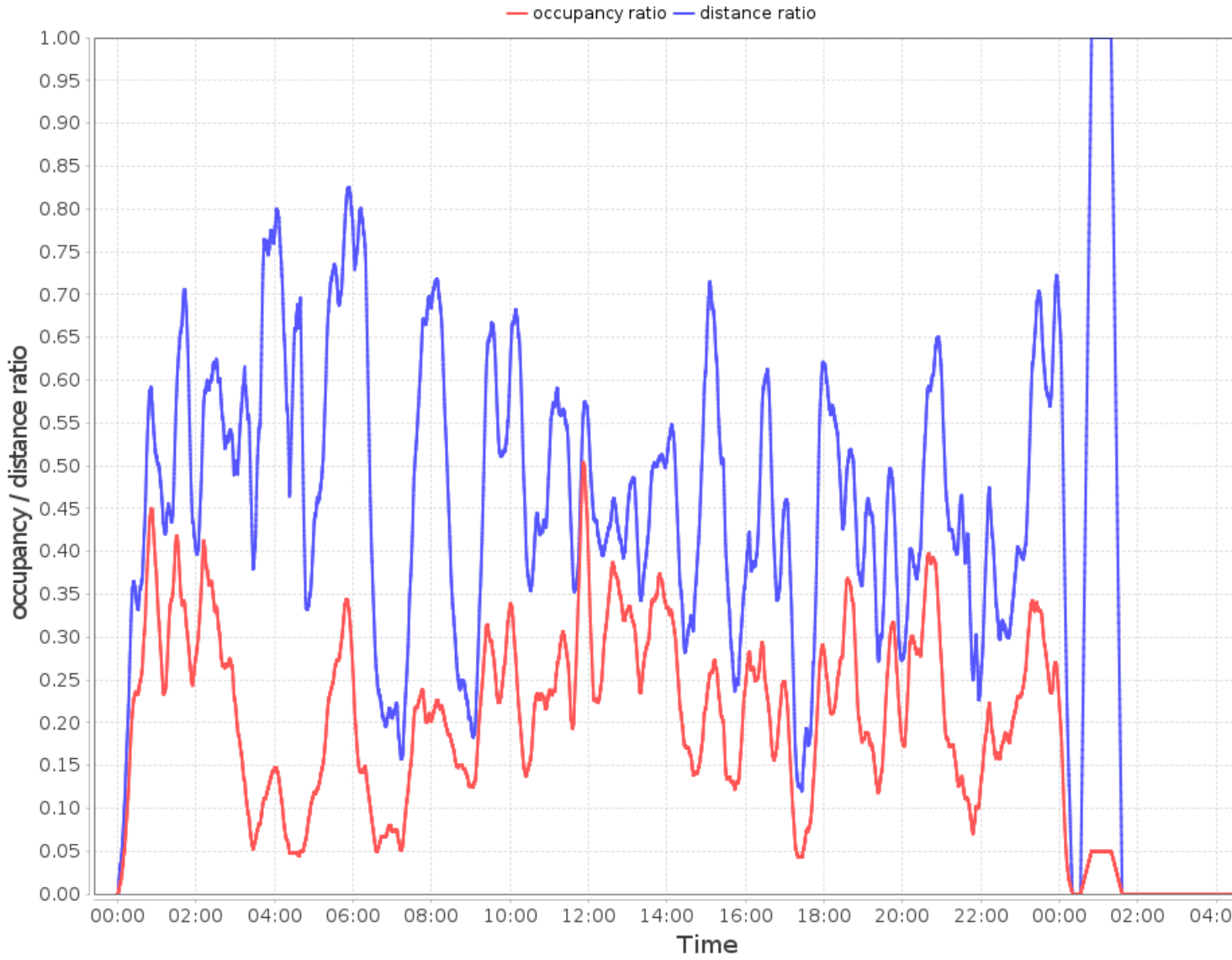
Status Distribution

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

Service Quality and Efficiency Score Integrated

— service quality performance [1] — efficiency performance [1]

scores integrated

time of day

Fleet Size Score Integrated

fleet size score integrated
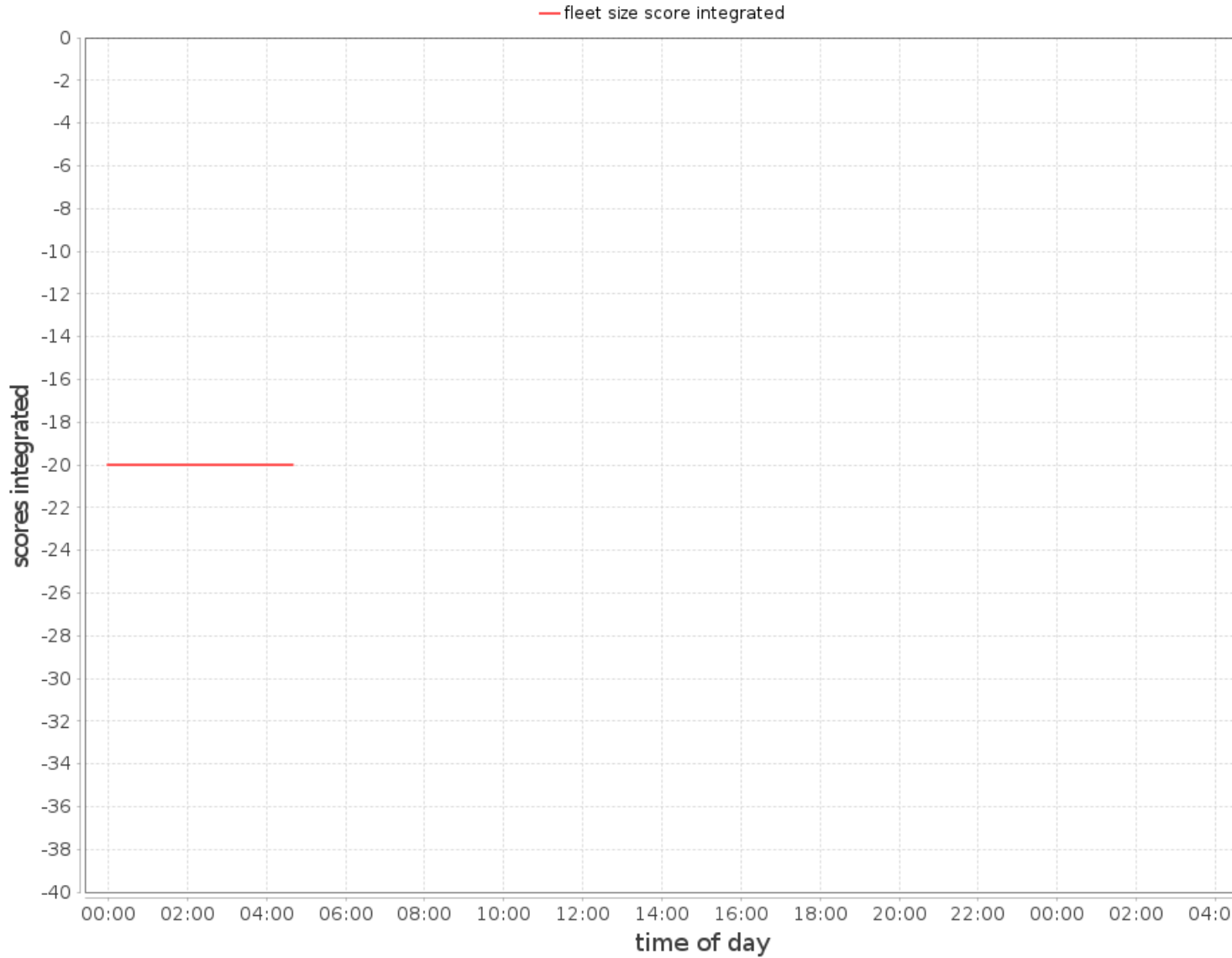
Final Scores

final service quality score:	-30.489251895284983
final efficiency score:	-58.13296758113725
final fleet size score:	-Infinity